```
File 347:JAPIO Nov 1976-2004/Jul(Updated 041102)
         (c) 2004 JPO & JAPIO
File 350:Derwent WPIX 1963-2004/UD,UM &UP=200474
         (c) 2004  Thomson Derwent

Set     Items   Description
S1     625125   PRINTER? ? OR PRINTING
S2     347688   REGIST? OR REGISTRY? OR ENROLL?
S3      78712   AUTHENTICAT? OR VALIDAT? OR CERTIFY? OR CERTIFIE?? ? OR CE-
             RTIFICATION? OR VERIFY? OR VERIFIE?? ? OR VERIFICATION?
S4      25271   SUBSTANTIAT? OR AUTHORIS? OR AUTHORIZ? OR APPROV??? ?
S5     110482   ID OR IDS OR IDENTIFIER? OR SERIAL(1W)NUMBER? ? OR PASSWOR-
             D? OR PASSCODE? OR CODEWORD?
S6      24622   (IDENTIFICAT? OR IDENTIFY? OR PASS)()(WORD? ? OR NUMBER? ?
             OR VALUE? ? OR CODE? ?)
S7     237016   PUBLICKEY? OR KEY? ? OR CIPHER? ? OR CYPHER? ? OR KEYPAIR?
             OR SUBKEY? ? OR TOKEN? ? OR PRIVATEKEY? OR PUBLICKEY?
S8     868448   SECRET OR ENCIPHER? OR ENCYPHER? OR ENCOD??? ? OR ENCRYPT?
             OR SECURE? ? OR SECURING OR SECURITY OR PRIVATE OR CYBERSECUR?
S9    1122031   SAFEGUARD? OR PROTECT? OR SAFETY OR SAFE
S10    168676   SERVER? ? OR HOSTSERVER? OR MAINFRAME? OR MAIN()FRAME? OR -
             RAS OR PRINTSERVER? OR MULTISERVER?
S11      8251   S8(1W)(CODE OR CODED OR CODES OR CODING? ? OR VALUE OR VAL-
             UES OR SEQUENCE? ? OR INTEGER? ? OR SUBSEQUENC? OR STRING? ? -
             OR SUBSTRING?)
S12      6171   S2:S4(5N)S1
S13       381   S12 AND S10
S14        67   S13 AND (S5:S7 OR SECRETKEY? OR S11)
S15     14779   IC='H04L-009/32':IC='H04L-009/325'
S16     33094   IC='B41J-029/38':IC='B41J-029/388'
S17     11636   IC='H04L-012/24':IC='H04L-012/244'
S18     35189   IC='H04L-009'
S19     55223   IC='G06F-003/12':IC='G06F-003/122'
S20        47   S14 AND S15:S19
S21        16   S14 AND S15
S22        27   S14 AND S16
S23        19   S14 AND S18
S24      9817   MC='T04-G10E'
S25     10601   MC='W01-A05B':MC='W01-A05B1'
S26        73   S24 AND S25
S27        21   S26 AND (IDENTIFIER? OR SERIAL(1W)NUMBER? ? OR PASSWORD? OR
              PASSCODE? OR CODEWORD? OR S6:S7 OR SECRETKEY? OR S11)
S28         6   S27 AND S10
S29        40   S21:S23 OR S28
S30        40   IDPAT (sorted in duplicate/non-duplicate order)
S31        36   IDPAT (primary/non-duplicate records only)
S32       626   PREAUTHENTICAT? OR PREVALIDAT? OR PRECERTIF? OR PREVERIF? -
             OR PRESUBSTANT? OR PREAPPROV? OR PREAUTHORI? OR PREREGIST? OR
             PREENROLL?
S33      8085   (S2:S4 OR S32)(5N)(S1 OR PRINT? ?)
S34       533   S33 AND S10
S35       402   S34 AND (S15:S19 OR S24:S25)
S36        47   S35 AND (IDENTIFIER? OR SERIAL(1W)NUMBER? ? OR PASSWORD? OR
              PASSCODE? OR CODEWORD? OR S6:S7 OR SECRETKEY? OR S11)
S37         1   S35 AND S32
S38        48   S36:S37
S39        22   S38 NOT S29
S40        22   IDPAT (sorted in duplicate/non-duplicate order)
S41        20   IDPAT (primary/non-duplicate records only)

 41/9/2     (Item 2 from file: 350)
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DIALOG(R)File 350:Derwent WPIX

016202433 **Image available**
WPI Acc No: 2004-360319/200434
XRPX Acc No: N04-288424

Printing method in printing system, involves storing print job in server **, with user identification and authentication information, and generating public and private** keys **for job**

Patent Assignee: CANON KK (CANO)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 2004118709	A	20040415	JP 2002283726	A	20020927	200434	B

Priority Applications (No Type Date): JP 2002283726 A 20020927
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2004118709	A		30	G06F-003/12	

Abstract (Basic): JP 2004118709 A

NOVELTY - Public and private **keys** are generated for print job stored with user ID and authentication data stored in **server** (130). When printers (150,161,162) receive ID and authentication data from input device (180), authentication data is encoded using public **key** , and transmitted to **server** , with ID. The encoded data is decoded using private **key** for authenticating user, and **keys** are deleted according to user authentication.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(1) printing system;
(2) **authentication** method in **printing** system;
(3) printing program;
(4) computer readable storage medium for storing printing program; and
(5) **server** computer.

USE - For printing print job in printing system.

ADVANTAGE - Reduces the update and registration operations of user ID and authentication information, by registering the ID and authentication information in **server** . Ensures security with respect to authentication information, by deleting the **keys** after printing.

DESCRIPTION OF DRAWING(S) - The figure shows the structure of the printing system. (Drawing includes non-English language text).

data processors (110,121,122)
server (130)
printers (150,161,162)
network (170)
input device (180)
pp; 30 DwgNo 1/21

Title Terms: PRINT; METHOD; PRINT; SYSTEM; STORAGE; PRINT; JOB; SERVE; USER ; IDENTIFY; AUTHENTICITY; INFORMATION; GENERATE; PUBLIC; PRIVATE; **KEY** ; JOB
Derwent Class: T01
International Patent Class (Main): **G06F-003/12**
International Patent Class (Additional): G06F-015/00
File Segment: EPI
Manual Codes (EPI/S-X): T01-C05A1; T01-D01; T01-N02B1; T01-S03

41/9/6 (Item 6 from file: 350)

DIALOG(R)File 350:Derwent WPIX

015365230 **Image available**
WPI Acc No: 2003-426168/200340
XRPX Acc No: N03-340486
Internet-based digital image print system has print server **that transmits document image to be printed, based on** password **and job number received from shop terminal having image forming device**
Patent Assignee: CANON KK (CANO)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 2003140875	A	20030516	JP 2001340979	A	20011106	200340	B

Priority Applications (No Type Date): JP 2001340979 A 20011106
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2003140875	A		15	G06F-003/12	

Abstract (Basic): JP 2003140875 A
NOVELTY - The document image (13) and a **password** are transmitted from a computer (11) to a print **server** (30). A shop terminal (41) transmits the input **password** and a job number, to **print server** which **authenticates** the shop terminal based on received information and transmits document image data to the shop terminal. An image forming device (42) in the shop terminal, prints the received image in a predetermined form.
DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:
(1) output terminal;
(2) print method;
(3) print program; and
(4) recorded medium storing print program.
USE - Internet-based digital image print system.
ADVANTAGE - Enables the customer to acquire the print-out of image, at a desired place
DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of the print system.
personal computer (11)
document image (13)
print **server** (30)
shop terminal (41)
image input device (43)
pp; 15 DwgNo 1/12
Title Terms: BASED; DIGITAL; IMAGE; PRINT; SYSTEM; PRINT; SERVE; TRANSMIT; DOCUMENT; IMAGE; PRINT; BASED; **PASSWORD** ; JOB; NUMBER; RECEIVE; SHOP; TERMINAL; IMAGE; FORMING; DEVICE
Derwent Class: P75; S06; T01; T04; W02
International Patent Class (Main): **G06F-003/12**
International Patent Class (Additional): **B41J-029/38** ; G06F-017/60; H04N-001/00
File Segment: EPI; EngPI
Manual Codes (EPI/S-X): S06-A16; T01-C05A; T01-S03; T04-G06; W02-J

41/9/8 (Item 8 from file: 350)
DIALOG(R)File 350:Derwent WPIX

014863402 **Image available**
WPI Acc No: 2002-684108/200274
XRPX Acc No: N02-540069
Printing method for computer network, involves maintaining database of print credit tokens on printer server connected to network
Patent Assignee: RICHLER GRAPHICS LTD (RICH-N); FORBES S (FORB-I); MAYER A L (MAYE-I)
Inventor: FORBES S; MAYER A L
Number of Countries: 028 Number of Patents: 003
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 1241562	A1	20020918	EP 2001302520	A	20010316	200274	B
US 20020131079	A1	20020919	US 200298715	A	20020315	200274	
JP 2002328794	A	20021115	JP 200271603	A	20020315	200306	

Priority Applications (No Type Date): EP 2001302520 A 20010316
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 1241562	A1	E	11	G06F-003/12	
	Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI TR				
US 20020131079	A1			B41B-001/00	
JP 2002328794	A		9	G06F-003/12	

Abstract (Basic): EP 1241562 A1

NOVELTY - A database of print credit **tokens** is maintained on a printer **server** (2) connected to a network. A task to be printed is enabled when the database holds sufficient **token** . The credit **token** database is automatically connected to a printer **server** database on a remote **server** (4) to **verify** the identity of the **printer server** and the credit **token** database is updated after verification.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is included for print credit **token** database maintaining method.

USE - For computer network.

ADVANTAGE - Allows end users to release his own on-site **server** software with electronic **token** or credit to print a predefined number of printed materials.

DESCRIPTION OF DRAWING(S) - The figure shows a flow diagram of computer system.

Printer **server** (2)

Remote **server** (4)

pp; 11 DwgNo 1/7

Title Terms: PRINT; METHOD; COMPUTER; NETWORK; MAINTAIN; DATABASE; PRINT; CREDIT; **TOKEN** ; PRINT; SERVE; CONNECT; NETWORK
Derwent Class: T01; T04
International Patent Class (Main): B41B-001/00; **G06F-003/12**
International Patent Class (Additional): G06F-015/00
File Segment: EPI
Manual Codes (EPI/S-X): T01-C05A1; T01-J05A; T01-J05B4P; **T04-G10E**
? t41/9/11-12

41/9/11 (Item 11 from file: 350)
DIALOG(R)File 350:Derwent WPIX

014305808 **Image available**
WPI Acc No: 2002-126511/200217
XRPX Acc No: N02-094958
Controller for printer with job accounting function, displays check box in user interface screen to accept and save password of several users

Patent Assignee: CANON KK (CANO)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 2001312387	A	20011109	JP 2000128543	A	20000427	200217	B

Priority Applications (No Type Date): JP 2000128543 A 20000427
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2001312387	A		22	G06F-003/12	

Abstract (Basic): JP 2001312387 A

NOVELTY - The user interface screen displays a check box (603) into which **password** of user is input and saved for authentication. The input **password** is transmitted to an authentication **server** , and when the user **authentication** is judged, the **printing** data required by the user is output to a printer.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(a) Printing control method;

(b) Printing system

USE - Controller for printer with job accounting function.

ADVANTAGE - Provides flexible method for storing the **password** of several users in the user interface screen at various levels.

DESCRIPTION OF DRAWING(S) - The figure shows an example of user interface screen of print setup.

Check box (603)

pp; 22 DwgNo 6/23

Title Terms: CONTROL; PRINT; JOB; ACCOUNT; FUNCTION; DISPLAY; CHECK; BOX; USER; INTERFACE; SCREEN; ACCEPT; SAVE; **PASSWORD** ; USER
Derwent Class: P75; T01; T04
International Patent Class (Main): **G06F-003/12**
International Patent Class (Additional): B41J-029/00; B41J-029/20
File Segment: EPI; EngPI
Manual Codes (EPI/S-X): T01-C05A; T01-J12C; **T04-G10E**

41/9/12 (Item 12 from file: 350)
DIALOG(R)File 350:Derwent WPIX

014275020 **Image available**
WPI Acc No: 2002-095722/200213
Printing method on network
Patent Assignee: DREAMNET AUTOLOGICS (DREA-N)
Inventor: KIM W Y; KIM Y R
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
KR 2001077453	A	20010820	KR 20005248	A	20000202	200213	B

Priority Applications (No Type Date): KR 20005248 A 20000202
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
KR 2001077453	A		1	G06F-003/12	

Abstract (Basic): KR 2001077453 A

NOVELTY - A printing method on a network is provided for a user to print information being stored in a database of a **server** computer using one's printer adapted to a wanted DM kind in accordance with

one's printer.

DETAILED DESCRIPTION - A user connects to a homepage providing data as addresses and names of people adapted to an object of one's DM transmission(202). The user inputs one's ID and **password** (204) and selects a DM kind(206). A **print registration** setting screen corresponded to the selected DM is displayed(208). **Print registration** information is inputted(210) and the inputted value set by the user is stored in a master file(212). The user loads a company's log image for printing the company's log image on a DM envelope to be transmitted(216). The loaded image is stored in the master file of a **server** (218). After a **print** registration information value is set, the user selects data to be outputted(220). The selected data are displayed in accordance with **print registration** information being stored in the master file(222). If the user selects the print, a printing is performed on the web browser(224).

pp; 1 DwgNo 1/10

Title Terms: PRINT; METHOD; NETWORK
Derwent Class: T01
International Patent Class (Main): **G06F-003/12**
File Segment: EPI
Manual Codes (EPI/S-X): T01-C05A
? t41/9/17,20

41/9/17 (Item 17 from file: 347)
DIALOG(R)File 347:JAPIO

07853614 **Image available**
APPARATUS, METHOD AND SYSTEM FOR IMAGE FORMING

PUB. NO.: 2003-348270 [JP 2003348270 A]
PUBLISHED: December 05, 2003 (20031205)
INVENTOR(s): ODA AKIHIKO
ANDO YOSHIKO
APPLICANT(s): KONICA MINOLTA HOLDINGS INC
APPL. NO.: 2002-147506 [JP 2002147506]
FILED: May 22, 2002 (20020522)
INTL CLASS: H04N-001/00; **G06F-003/12** ; G06F-015/00; H04B-007/26; H04N-001/44

ABSTRACT

PROBLEM TO BE SOLVED: To provide an apparatus, a method and a system for image forming which prevents leakage of secret information without lowering operation efficiency by simple operation.

SOLUTION: In a communication system 100, a PC 2A transmits image data, image data ID, a **password** and data of a telephone number to a printer 1, which transmits the received data to a **server** 4, which transmits the image data ID and the **password** to the portable telephone set 3 of the received telephone number to **register password print** . The **printer** 1 receives the image data ID, the **password** and the telephone number of the portable telephone set 3 from the portable telephone set 3 during **password** printing processing, and collates the received data with **registered** data to carry out **password printing** when all the pieces of data are coincident and to avoid **password** printing when even one piece of data is not coincident.

41/9/20 (Item 20 from file: 347)

03813619 **Image available**
PRINTING PROGRAM CONTROL SYSTEM

PUB. NO.: 04-178719 [JP 4178719 A]
PUBLISHED: June 25, 1992 (19920625)
INVENTOR(s): KUWAMOTO HIDEKI
IWATANI TAKAO
NAKANE KEIICHI
FUJIWARA MASAKI
APPLICANT(s): HITACHI LTD [000510] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 02-306394 [JP 90306394]
FILED: November 13, 1990 (19901113)
INTL CLASS: [5] **G06F-003/12** ; G06F-009/445
JAPIO CLASS: 45.3 (INFORMATION PROCESSING -- Input Output Units); 45.1 (INFORMATION PROCESSING -- Arithmetic Sequence Units)
JAPIO KEYWORD:R139 (INFORMATION PROCESSING -- Word Processors)
JOURNAL: Section: P, Section No. 1436, Vol. 16, No. 495, Pg. 49, October 14, 1992 (19921014)

ABSTRACT

PURPOSE: To enable various kinds of information processors to share a printer by transferring a printing program matching the print of print data to the printer and printing the print data on the printer by using the transferred printing program.

CONSTITUTION: When a print indication device (information processor such as a word processor) sends the print data and an **identifier** specifying the printing program 720 capable of printing the print data to the printer (print **server** , etc.), the printer receives the print data and **identifier** . Then the print data are printed by using the printing program 720, stored in a printing program storage means 720, corresponding to the **identifier** . Thus, the printing program 720 which can prints the print data generated by the **print** indication device is transferred and **registered** in the **printer** from each **print** indication device and the printer prints the print data received from the print indication device by using the printing program corresponding to the print data. Consequently, various kinds of print indication devices can share the printer for printing.

```
File   9:Business & Industry(R) Jul/1994-2004/Nov 18
         (c) 2004  The Gale Group
File  16:Gale Group PROMT(R) 1990-2004/Nov 19
         (c) 2004 The Gale Group
File  47:Gale Group Magazine DB(TM) 1959-2004/Nov 19
         (c) 2004 The Gale group
File 148:Gale Group Trade & Industry DB 1976-2004/Nov 19
         (c)2004 The Gale Group
File 160:Gale Group PROMT(R) 1972-1989
         (c) 1999 The Gale Group
File 275:Gale Group Computer DB(TM) 1983-2004/Nov 19
         (c) 2004 The Gale Group
File 570:Gale Group MARS(R) 1984-2004/Nov 19
         (c) 2004 The Gale Group
File 621:Gale Group New Prod.Annou.(R) 1985-2004/Nov 19
         (c) 2004 The Gale Group
File 636:Gale Group Newsletter DB(TM) 1987-2004/Nov 19
         (c) 2004 The Gale Group
File 649:Gale Group Newswire ASAP(TM) 2004/Nov 12
         (c) 2004 The Gale Group

Set     Items   Description
S1    1008065   PRINTER? ? OR PRINTING
S2    3039105   REGIST? OR REGISTRY? OR ENROLL?
S3    1646676   AUTHENTICAT? OR VALIDAT? OR CERTIFY? OR CERTIFIE?? ? OR CE-
            RTIFICATION? OR VERIFY? OR VERIFIE?? ? OR VERIFICATION?
S4    3478517   SUBSTANTIAT? OR AUTHORIS? OR AUTHORIZ? OR APPROV??? ?
S5     610110   ID OR IDS OR IDENTIFIER? OR SERIAL(1W)NUMBER? ? OR PASSWOR-
            D? OR PASSCODE? OR CODEWORD?
S6      69316   (IDENTIFICAT? OR IDENTIFY? OR PASS)()(WORD? ? OR NUMBER? ?
            OR VALUE? ? OR CODE? ?)
S7    4041761   PUBLICKEY? OR KEY? ? OR CIPHER? ? OR CYPHER? ? OR KEYPAIR?
            OR SUBKEY? ? OR TOKEN? ? OR PRIVATEKEY? OR PUBLICKEY?
S8    6749007   SECRET OR ENCIPHER? OR ENCYPHER? OR ENCOD??? ? OR ENCRYPT?
            OR SECURE? ? OR SECURING OR SECURITY OR PRIVATE OR CYBERSECUR?
S9    5013068   SAFEGUARD? OR PROTECT? OR SAFETY OR SAFE
S10   1908158   SERVER? ? OR HOSTSERVER? OR MAINFRAME? OR MAIN()FRAME? OR -
            RAS OR PRINTSERVER? OR MULTISERVER?
S11     24224   S8(1W)(CODE OR CODED OR CODES OR CODING? ? OR VALUE OR VAL-
            UES OR SEQUENCE? ? OR INTEGER? ? OR SUBSEQUENC? OR STRING? ? -
            OR SUBSTRING?)
S12     11339   S2:S4(5N)S1
S13       439   S12(S)S10
S14        43   S13(S)(S5:S7 OR SECRETKEY? OR S11)
S15         9   S14/2000:2004
S16        34   S14 NOT S15
S17        26   RD (unique items)
S18     12519   PREAUTHENTICAT? OR PREVALIDAT? OR PRECERTIF? OR PREVERIF? -
            OR PRESUBSTANT? OR PREAPPROV? OR PREAUTHORI? OR PREREGIST? OR
            PREENROLL?
S19     21021   (S2:S4 OR S18)(5N)(S1 OR PRINT? ?)
S20       881   S19(S)S10
S21        84   S20(S)(S5:S7 OR SECRETKEY? OR S11)
S22        31   S21/2000:2004
S23        20   S21 NOT (S22 OR S14)
S24        11   RD (unique items)
```

? t17/3,k/21

17/3,K/21 (Item 10 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2004 The Gale Group. All rts. reserv.

01953016 SUPPLIER NUMBER: 18324896 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Easy NFS client for Win 95. (Hummingbird Communications NFS Maestro for Windows) (Software Review) (Evaluation)
Chang, Henry
PC User, n280, p70(1)
April 3, 1996
DOCUMENT TYPE: Evaluation ISSN: 0263-5720 LANGUAGE: English
RECORD TYPE: Fulltext; Abstract
WORD COUNT: 780 LINE COUNT: 00063

... on the Windows 95 task bar.
Connections are remembered if the relevant user name and **password** are stored in the Register option in the Network Access utility; otherwise Maestro requests **authentication** for every drive and **printer** connection, even if they belong to the same Unix **server** . The drive and printer connections also extend to DOS sessions, allowing DOS-based applications to ...
? t17/3,k/17-19

17/3,K/17 (Item 6 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2004 The Gale Group. All rts. reserv.

02028306 SUPPLIER NUMBER: 19031217 (USE FORMAT 7 OR 9 FOR FULL TEXT)
PCNFS on Windows 95. (Net Worth) (Technology Information)
Baker, Steven
UNIX Review, v15, n2, p13(5)
Feb, 1997
ISSN: 0742-3136 LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 2123 LINE COUNT: 00179

... products I tested used the PCNFS Daemon (PCNFSD) protocol for authentication and printing. A PCNFSD **server** running on a UNIX machine authenticates a PC user against the UNIX system's username and **password** entries. For PCNFSD to work effectively with multiple NFS **servers** , it is important to keep PC usernames, **passwords** , and UNIX user and group **IDs** in sync on the UNIX systems. SunSoft's PC-NFSPro and Esker's Tun Plus...

17/3,K/18 (Item 7 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2004 The Gale Group. All rts. reserv.

02009137 SUPPLIER NUMBER: 18856898 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Comparing desktop NFS clients. (Software Review) (Evaluation)
Baker, Steven
UNIX Review, v14, n13, p17(5)
Dec, 1996
DOCUMENT TYPE: Evaluation ISSN: 0742-3136 LANGUAGE: English
RECORD TYPE: Fulltext; Abstract
WORD COUNT: 2212 LINE COUNT: 00176

... on an NFS server.
All these products can use the PCNFS daemon (PCNFSD) protocol for

authentication and **printing** . PCNFSD **authentication** is based on running a PCNFSD **server** on a UNIX machine that authenticates against the UNIX system's username and **password** entries. SunSoft's PC-NFSPro includes PCNFSD binaries for Solaris 2 and SunOS along with...

17/3,K/19 (Item 8 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)

01992091 SUPPLIER NUMBER: 18691253 (USE FORMAT 7 OR 9 FOR FULL TEXT)
NFS on the desktop. (Sun Microsystems' Network File System) (Product Information)
Baker, Steven
UNIX Review, v14, n11, p25(5)
Oct, 1996
ISSN: 0742-3136 LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 2607 LINE COUNT: 00320

... running NetWare.
A PCNFS adjunct protocol also was developed in the late 1980s to facilitate **authentication** and **printing** from PC clients using NFS. For authentication on UNIX systems, most NFS implementations base security on the user **ID** (uid) and group **ID** (gid) of the user and the IP address of the client's machine. Although the...

...UNIX vendors aside from Sun. The PCNFS protocol authenticates a user's UNIX username and **password** and returns the appropriate uid and gid for file access. One or more PCNFS daemon (PCNFSD) **servers** could be run on a local subnet providing authentication for any PCNFS clients. As part...
...3 filename limits and file attributes imposed by MS-DOS. Sun made freely available PCNFSD **server** source code that could be compiled on most UNIX systems. As a result, most major...
? t17/3,k/20

17/3,K/20 (Item 9 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)

01977802 SUPPLIER NUMBER: 18631494 (USE FORMAT 7 OR 9 FOR FULL TEXT)
New NFS standards. (Network File System)(Net Worth) (Product Information)
Baker, Steven
UNIX Review, v14, n10, p15(5)
Sep, 1996
ISSN: 0742-3136 LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 2695 LINE COUNT: 00210

... responding to RPC authentication requirements.
The PC-NFS daemon (PCNFSD) protocol was developed to handle **authentication** and **printing** for PC-NFS clients. PCNFSD takes a username and **password** (mildly encrypted when sent over the network) and returns the user **ID** and group **ID** the client should use for UNIX authentication of RPC packets. PCNFSD also adds a simple scheme for printing--transmitting a PC printer job to a print file on the NFS **server** . PC-NFS clients must map UNIX filenames to the 8.3 filename limits of MS...
?

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File 348:EUROPEAN PATENTS 1978-2004/Nov W01
         (c) 2004 European Patent Office
File 349:PCT FULLTEXT 1979-2002/UB=20041118,UT=20041111
         (c) 2004 WIPO/Univentio

Set     Items   Description
S1     141210   PRINTER? ? OR PRINTING
S2     185910   REGIST? OR REGISTRY? OR ENROLL?
S3     156300   AUTHENTICAT? OR VALIDAT? OR CERTIFY? OR CERTIFIE?? ? OR CE-
             RTIFICATION? OR VERIFY? OR VERIFIE?? ? OR VERIFICATION?
S4     105458   SUBSTANTIAT? OR AUTHORIS? OR AUTHORIZ? OR APPROV??? ?
S5     259798   ID OR IDS OR IDENTIFIER? OR SERIAL(1W)NUMBER? ? OR PASSWOR-
             D? OR PASSCODE? OR CODEWORD?
S6      31393   (IDENTIFICAT? OR IDENTIFY? OR PASS)()(WORD? ? OR NUMBER? ?
             OR VALUE? ? OR CODE? ?)
S7     180433   PUBLICKEY? OR KEY? ? OR CIPHER? ? OR CYPHER? ? OR KEYPAIR?
             OR SUBKEY? ? OR TOKEN? ? OR PRIVATEKEY? OR PUBLICKEY?
S8     493675   SECRET OR ENCIPHER? OR ENCYPHER? OR ENCOD??? ? OR ENCRYPT?
             OR SECURE? ? OR SECURING OR SECURITY OR PRIVATE OR CYBERSECUR?
S9     563351   SAFEGUARD? OR PROTECT? OR SAFETY OR SAFE
S10     90454   SERVER? ? OR HOSTSERVER? OR MAINFRAME? OR MAIN()FRAME? OR -
             RAS OR PRINTSERVER? OR MULTISERVER?
S11     27900   S8(1W)(CODE OR CODED OR CODES OR CODING? ? OR VALUE OR VAL-
             UES OR SEQUENCE? ? OR INTEGER? ? OR SUBSEQUENC? OR STRING? ? -
             OR SUBSTRING?)
S12       241   PREAUTHENTICAT? OR PREVALIDAT? OR PRECERTIFY? OR PRECERTIF-
             I? OR PREVERIFY? OR PREVERIFI? OR PRESUBSTANTIAT? OR PREAPPRO-
             V?
S13       620   PREAUTHORIS? OR PREAUTHORIZ? OR PREREGISTR? OR PREREGISTER?
              OR PREENROLL?
S14         8   S12:S13(5N)(S1 OR PRINT)
S15         1   S14(25N)(S5:S7 OR SECRETKEY? OR S11)
S16      4697   S2:S4(5N)S1
S17       308   S16(25N)S10
S18       134   S17(25N)(S5:S7 OR SECRETKEY? OR S11)
S19      2415   IC=H04L-009/32
S20       265   IC='B41J-029/38':IC='B41J-029/387'
S21         4   S18 AND S19:S20
S22        15   S18/TI,AB,CM
S23      6849   IC='H04L-009'
S24      2455   IC='H04L-012/24'
S25      1404   IC='G06F-003/12'
S26        36   (S18 AND S23:S25) OR S21:S22
S27      6191   S2:S4(5N)(S1 OR PRINT)
S28       408   S27(25N)S10
S29       158   S28(25N)(S5:S7 OR SECRETKEY? OR S11)
S30       122   S29 NOT (S15 OR S26)
S31         3   S30/TI,AB,CM
S32         7   S30 AND (S19:S20 OR S23:S25)
S33         0   S31 AND (S19:S20 OR S23:S25)
S34         0   S14(25N)S10
?
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File 696:DIALOG Telecom. Newsletters 1995-2004/Nov 19
         (c) 2004 The Dialog Corp.
File  15:ABI/Inform(R) 1971-2004/Nov 19
         (c) 2004 ProQuest Info&Learning
File 112:UBM Industry News 1998-2004/Jan 27
         (c) 2004 United Business Media
File 141:Readers Guide 1983-2004/Sep
         (c) 2004 The HW Wilson Co
File 484:Periodical Abs Plustext 1986-2004/Nov W2
         (c) 2004 ProQuest
File 608:KR/T Bus.News. 1992-2004/Nov 19
         (c)2004 Knight Ridder/Tribune Bus News
File 813:PR Newswire 1987-1999/Apr 30
         (c) 1999 PR Newswire Association Inc
File 635:Business Dateline(R) 1985-2004/Nov 19
         (c) 2004 ProQuest Info&Learning
File 810:Business Wire 1986-1999/Feb 28
         (c) 1999 Business Wire
File 369:New Scientist 1994-2004/Nov W1
         (c) 2004 Reed Business Information Ltd.
File 370:Science 1996-1999/Jul W3
         (c) 1999 AAAS
File  20:Dialog Global Reporter 1997-2004/Nov 19
         (c) 2004 The Dialog Corp.
File 624:McGraw-Hill Publications 1985-2004/Nov 17
         (c) 2004 McGraw-Hill Co. Inc
File 634:San Jose Mercury  Jun 1985-2004/Nov 18
         (c) 2004 San Jose Mercury News
File 647:CMP  Computer Fulltext 1988-2004/Nov W1
         (c) 2004 CMP Media, LLC
File 674:Computer News Fulltext 1989-2004/Sep W1
         (c) 2004 IDG Communications

Set     Items   Description
S1     553492   PRINTER? ? OR PRINTING
S2    2672029   REGIST? OR REGISTRY? OR ENROLL?
S3    1272263   AUTHENTICAT? OR VALIDAT? OR CERTIFY? OR CERTIFIE?? ? OR CE-
             RTIFICATION? OR VERIFY? OR VERIFIE?? ? OR VERIFICATION?
S4    3665295   SUBSTANTIAT? OR AUTHORIS? OR AUTHORIZ? OR APPROV??? ?
S5     671803   ID OR IDS OR IDENTIFIER? OR SERIAL(1W)NUMBER? ? OR PASSWOR-
             D? OR PASSCODE? OR CODEWORD?
S6      42861   (IDENTIFICAT? OR IDENTIFY? OR PASS)()(WORD? ? OR NUMBER? ?
             OR VALUE? ? OR CODE? ?)
S7    3713120   PUBLICKEY? OR KEY? ? OR CIPHER? ? OR CYPHER? ? OR KEYPAIR?
             OR SUBKEY? ? OR TOKEN? ? OR PRIVATEKEY? OR PUBLICKEY?
S8   10105187   SECRET OR ENCIPHER? OR ENCYPHER? OR ENCOD??? ? OR ENCRYPT?
             OR SECURE? ? OR SECURING OR SECURITY OR PRIVATE OR CYBERSECUR?
S9    6190875   SAFEGUARD? OR PROTECT? OR SAFETY OR SAFE
S10    887125   SERVER? ? OR HOSTSERVER? OR MAINFRAME? OR MAIN()FRAME? OR -
             RAS OR PRINTSERVER? OR MULTISERVER?
S11     19191   S8(1W)(CODE OR CODED OR CODES OR CODING? ? OR VALUE OR VAL-
             UES OR SEQUENCE? ? OR INTEGER? ? OR SUBSEQUENC? OR STRING? ? -
             OR SUBSTRING?)
S12      9542   PREAUTHENTICAT? OR PREVALIDAT? OR PRECERTIF? OR PREVERIF? -
             OR PRESUBSTANT? OR PREAPPROV? OR PREAUTHORI? OR PREREGIST? OR
             PREENROLL?
S13     11153   (S2:S4 OR S12)(5N)(S1 OR PRINT? ?)
S14       364   S13(S)S10
S15        50   S14(S)(S5:S7 OR SECRETKEY? OR S11)
S16        25   S15/2000:2004
S17        25   S15 NOT S16
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S18 23 RD (unique items)

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File   6:NTIS 1964-2004/Nov W2
         (c) 2004 NTIS, Intl Cpyrght All Rights Res
File   2:INSPEC 1969-2004/Nov W1
         (c) 2004 Institution of Electrical Engineers
File   8:Ei Compendex(R) 1970-2004/Nov W1
         (c) 2004 Elsevier Eng.  Info. Inc.
File 256:TecInfoSource 82-2004/Nov
         (c) 2004 Info.Sources Inc
File  34:SciSearch(R) Cited Ref Sci 1990-2004/Nov W2
         (c) 2004 Inst for Sci Info
File  35:Dissertation Abs Online 1861-2004/Oct
         (c) 2004 ProQuest Info&Learning
File  65:Inside Conferences 1993-2004/Nov W2
         (c) 2004 BLDSC all rts. reserv.
File  94:JICST-EPlus 1985-2004/Oct W3
         (c)2004 Japan Science and Tech Corp(JST)
File  95:TEME-Technology & Management 1989-2004/Jun W1
         (c) 2004 FIZ TECHNIK
File  99:Wilson Appl. Sci & Tech Abs 1983-2004/Sep
         (c) 2004 The HW Wilson Co.
File 111:TGG Natl.Newspaper Index(SM) 1979-2004/Nov 17
         (c) 2004 The Gale Group
File 144:Pascal 1973-2004/Nov W1
         (c) 2004 INIST/CNRS
File 202:Info. Sci. & Tech. Abs. 1966-2004/Nov 02
         (c) 2004 EBSCO Publishing
File 233:Internet & Personal Comp. Abs. 1981-2003/Sep
         (c) 2003 EBSCO Pub.
File 266:FEDRIP 2004/Aug
         Comp & dist by NTIS, Intl Copyright All Rights Res
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
         (c) 1998 Inst for Sci Info
File 483:Newspaper Abs Daily 1986-2004/Nov 18
         (c) 2004 ProQuest Info&Learning
File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13
         (c) 2002 The Gale Group
File 603:Newspaper Abstracts 1984-1988
         (c)2001 ProQuest Info&Learning
File 248:PIRA 1975-2004/Nov W1
         (c) 2004 Pira International

Set     Items   Description
S1     353889   PRINTER? ? OR PRINTING
S2     524042   REGIST? OR REGISTRY? OR ENROLL?
S3    1239659   AUTHENTICAT? OR VALIDAT? OR CERTIFY? OR CERTIFIE?? ? OR CE-
            RTIFICATION? OR VERIFY? OR VERIFIE?? ? OR VERIFICATION?
S4     522990   SUBSTANTIAT? OR AUTHORIS? OR AUTHORIZ? OR APPROV??? ?
S5     110306   ID OR IDS OR IDENTIFIER? OR SERIAL(1W)NUMBER? ? OR PASSWOR-
            D? OR PASSCODE? OR CODEWORD?
S6       6051   (IDENTIFICAT? OR IDENTIFY? OR PASS)()(WORD? ? OR NUMBER? ?
            OR VALUE? ? OR CODE? ?)
S7     951916   PUBLICKEY? OR KEY? ? OR CIPHER? ? OR CYPHER? ? OR KEYPAIR?
            OR SUBKEY? ? OR TOKEN? ? OR PRIVATEKEY? OR PUBLICKEY?
S8    1606023   SECRET OR ENCIPHER? OR ENCYPHER? OR ENCOD??? ? OR ENCRYPT?
            OR SECURE? ? OR SECURING OR SECURITY OR PRIVATE OR CYBERSECUR?
S9    2813160   SAFEGUARD? OR PROTECT? OR SAFETY OR SAFE
S10    339290   SERVER? ? OR HOSTSERVER? OR MAINFRAME? OR MAIN()FRAME? OR -
            RAS OR PRINTSERVER? OR MULTISERVER?
S11      7873   S8(1W)(CODE OR CODED OR CODES OR CODING? ? OR VALUE OR VAL-
            UES OR SEQUENCE? ? OR INTEGER? ? OR SUBSEQUENC? OR STRING? ? -
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            OR SUBSTRING?)
S12       1867   S2:S4(5N)S1
S13         41   S12 AND S10
S14          2   S13 AND (S5:S7 OR SECRETKEY? OR S11)
S15       1303   PREAUTHENTICAT? OR PREVALIDAT? OR PRECERTIF? OR PREVERIF? -
            OR PRESUBSTANT? OR PREAPPROV? OR PREAUTHORI? OR PREREGIST? OR
            PREENROLL?
S16       2843   (S2:S4 OR S15)(5N)(S1 OR PRINT? ?)
S17         60   S16 AND S10
S18         22   S17/2000:2004
S19         37   S17 NOT (S18 OR S14)
S20         32   RD (unique items)
S21          2   S20 AND (S5:S7 OR SECRETKEY? OR S11)
S22         30   S20 NOT S21
?
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File 347:JAPIO Nov 1976-2004/Jul(Updated 041102)
(c) 2004 JPO & JAPIO
File 350:Derwent WPIX 1963-2004/UD,UM &UP=200473
(c) 2004 Thomson Derwent

Set	Items	Description
S1	624782	PRINTER? ? OR PRINTING
S2	347578	REGIST? OR REGISTRY? OR ENROLL?
S3	78608	AUTHENTICAT? OR VALIDAT? OR CERTIFY? OR CERTIFIE?? ? OR CERTIFICATION? OR VERIFY? OR VERIFIE?? ? OR VERIFICATION?
S4	25242	SUBSTANTIAT? OR AUTHORIS? OR AUTHORIZ? OR APPROV??? ?
S5	110358	ID OR IDS OR IDENTIFIER? OR SERIAL(1W)NUMBER? ? OR PASSWORD? OR PASSCODE? OR CODEWORD?
S6	24605	(IDENTIFICAT? OR IDENTIFY? OR PASS)()(WORD? ? OR NUMBER? ? OR VALUE? ? OR CODE? ?)
S7	236870	PUBLICKEY? OR KEY? ? OR CIPHER? ? OR CYPHER? ? OR KEYPAIR? OR SUBKEY? ? OR TOKEN? ? OR PRIVATEKEY? OR PUBLICKEY?
S8	867910	SECRET OR ENCIPHER? OR ENCYPHER? OR ENCOD??? ? OR ENCRYPT? OR SECURE? ? OR SECURING OR SECURITY OR PRIVATE OR CYBERSECUR?
S9	1121299	SAFEGUARD? OR PROTECT? OR SAFETY OR SAFE
S10	168438	SERVER? ? OR HOSTSERVER? OR MAINFRAME? OR MAIN()FRAME? OR -RAS OR PRINTSERVER? OR MULTISERVER?
S11	8244	S8(1W)(CODE OR CODED OR CODES OR CODING? ? OR VALUE OR VALUES OR SEQUENCE? ? OR INTEGER? ? OR SUBSEQUENC? OR STRING? ? -OR SUBSTRING?)
S12	6169	S2:S4(5N)S1
S13	381	S12 AND S10
S14	67	S13 AND (S5:S7 OR SECRETKEY? OR S11)
S15	14760	IC='H04L-009/32':IC='H04L-009/325'
S16	33066	IC='B41J-029/38':IC='B41J-029/388'
S17	11625	IC='H04L-012/24':IC='H04L-012/244'
S18	35152	IC='H04L-009'
S19	55177	IC='G06F-003/12':IC='G06F-003/122'
S20	47	S14 AND S15:S19
S21	16	S14 AND S15
S22	27	S14 AND S16
S23	19	S14 AND S18
S24	9802	MC='T04-G10E'
S25	10580	MC='W01-A05B':MC='W01-A05B1'
S26	73	S24 AND S25
S27	21	S26 AND (IDENTIFIER? OR SERIAL(1W)NUMBER? ? OR PASSWORD? OR PASSCODE? OR CODEWORD? OR S6:S7 OR SECRETKEY? OR S11)
S28	6	S27 AND S10
S29	40	S21:S23 OR S28
S30	40	IDPAT (sorted in duplicate/non-duplicate order)
S31	36	IDPAT (primary/non-duplicate records only)

31/9/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX

016458212 **Image available**
WPI Acc No: 2004-616130/200459
XRPX Acc No: N04-487176
Data processing method e.g. for document image processing, involves controlling printing of data based on user identity, extracted feature of electronic data notified by server , and stored data for printing original data
Patent Assignee: CANON KK (CANO)
Inventor: MATSUYA A; SHINAGAWA T; TAKAHASHI K; TAKARAGI Y; YOSHIHARA K
Number of Countries: 108 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200472845	A1	20040826	WO 2004JP1425	A	20040210	200459	B
JP 2004246663	A	20040902	JP 200336488	A	20030214	200459	
JP 2004282190	A	20041007	JP 200367529	A	20030313	200466	
JP 2004297671	A	20041021	JP 200390002	A	20030328	200469	

Priority Applications (No Type Date): JP 200390002 A 20030328; JP 200336488 A 20030214; JP 200367529 A 20030313

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200472845	A1	E	96	G06F-003/12	

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Designated States (Regional): AT BE BG BW CH CY CZ DE DK EA EE ES FI FR GB GH GM GR HU IE IT KE LS LU MC MW MZ NL OA PT RO SD SE SI SK SL SZ TR TZ UG ZM ZW

JP 2004246663	A	19	G06F-003/12
JP 2004282190	A	20	H04N-001/387
JP 2004297671	A	18	H04N-001/387

Abstract (Basic): WO 200472845 A1

NOVELTY - The electronic data to be input to a printer, is stored and the feature of electronic data is extracted, and original certification information including the user identity (**ID**) discriminating the electronic data print requester and feature, is transmitted to a **server** . The printing of data is controlled based on certification information notified by **server** and the stored electronic data, for printing original data.

USE - In image processing system connected to **printer** , for **certifying** whether printed material corresponds to original document or not.

ADVANTAGE - The storage of entire former electronic data in the original registration **server** is avoided, thereby reducing storage capacity and the risk of leak of secrets. The originality of the image is certified certainly and accurately, thereby increasing reliability of the originality.

DESCRIPTION OF DRAWING(S) - The figure shows a block diagram of the structure of the image processing system.

pp; 96 DwgNo 1/31

Title Terms: DATA; PROCESS; METHOD; DOCUMENT; IMAGE; PROCESS; CONTROL; PRINT; DATA; BASED; USER; IDENTIFY; EXTRACT; FEATURE; ELECTRONIC; DATA; NOTIFICATION; SERVE; STORAGE; DATA; PRINT; ORIGINAL; DATA

Derwent Class: P85; T01; W01; W02

International Patent Class (Main): G06F-003/12; H04N-001/387

International Patent Class (Additional): B41J-005/30; B41J-029/00; **B41J-029/38** ; G06F-017/21; G06F-017/60; G06T-001/00; G09C-001/00; G09C-005/00; **H04L-009/00** ; **H04L-009/32** ; H04N-001/00

File Segment: EPI; EngPI

Manual Codes (EPI/S-X): T01-C05A; T01-J10E; T01-N02A2; W01-A05B; W02-J03C6; W02-J03C8

31/9/2 (Item 2 from file: 350)

016452540 **Image available**
WPI Acc No: 2004-610457/200459
XRPX Acc No: N04-483389
Data processing method for image processing system, involves authenticating user to search original specific information including user identification is managed in server **, upon receiving registration confirmation request**
Patent Assignee: CANON KK (CANO)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 2004246662	A	20040902	JP 200336487	A	20030214	200459	B

Priority Applications (No Type Date): JP 200336487 A 20030214
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2004246662	A		19	G06F-003/12	

Abstract (Basic): JP 2004246662 A
NOVELTY - Registration confirmation request containing incidental information extracted from originality **certification** image from **printer** , and user identification (**ID**) to identify print claimant of electronic data from which feature value is extracted, is transmitted to **server** (120). User is authenticated to search original specific information including user **ID** is received and managed by **server** , upon receiving request.
USE - For processing electronic data in image processing and printing systems.
ADVANTAGE - The search of the original specific information is performed reliably, thereby enabling the originality certification print processing with sufficient reproducibility.
DESCRIPTION OF DRAWING(S) - The figure explains operation of image processing system. (Drawing includes non-English language text).
personal computer (100)
sore data (102)
printer (110)
print with originality certification code (11)
server (120)
pp; 19 DwgNo 1/17
Title Terms: DATA; PROCESS; METHOD; IMAGE; PROCESS; SYSTEM; AUTHENTICITY; USER; SEARCH; ORIGINAL; SPECIFIC; INFORMATION; USER; IDENTIFY; SERVE; RECEIVE; REGISTER; CONFIRM; REQUEST
Derwent Class: T01; W01
International Patent Class (Main): G06F-003/12
International Patent Class (Additional): **H04L-009/32**
File Segment: EPI
Manual Codes (EPI/S-X): T01-C05A; W01-A05B

31/9/4 (Item 4 from file: 350)
DIALOG(R)File 350:Derwent WPIX

016344549 **Image available**
WPI Acc No: 2004-502552/200448
XRPX Acc No: N04-396925
Job account server **for use with image processor like printer, sets print limit value automatically according to input utilization amount limiting value, when log information of image processor is registered**
Patent Assignee: CANON KK (CANO)

Inventor: NOZATO K
Number of Countries: 002 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 2004178249	A	20040624	JP 2002343368	A	20021127	200448	B
US 20040130743	A1	20040708	US 2003718386	A	20031119	200448	

Priority Applications (No Type Date): JP 2002343368 A 20021127
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2004178249	A		22	G06F-003/12	
US 20040130743	A1			G06F-011/30	

Abstract (Basic): JP 2004178249 A
NOVELTY - The job account server acquires the utilization amount limiting value registered corresponding to job account identity (**ID**) for every user, when log information of image processor such as **printer** is **registered** . The **server** automatically sets the print limit value according to the amount limiting value.
DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:
(1) information-processing method; and
(2) control program.
USE - Job account **server** for managing utilization of image processors such as printer, scanner, copier, multi functional terminal (MFT), etc.
ADVANTAGE - Improves security of the printing system, while reducing the burden of user registration in the image processor.
DESCRIPTION OF DRAWING(S) - The figure shows a flowchart explaining the registration of user in database. (Drawing includes non-English language text).
pp; 22 DwgNo 16/18
Title Terms: JOB; ACCOUNT; SERVE; IMAGE; PROCESSOR; PRINT; SET; PRINT; LIMIT; VALUE; AUTOMATIC; ACCORD; INPUT; UTILISE; AMOUNT; LIMIT; VALUE; LOG; INFORMATION; IMAGE; PROCESSOR; REGISTER
Derwent Class: P75; S06; T01; T04; W02
International Patent Class (Main): G06F-003/12; G06F-011/30
International Patent Class (Additional): **B41J-029/38** ; **H04L-009/32**
File Segment: EPI; EngPI
Manual Codes (EPI/S-X): S06-A14B; T01-C05A; T01-N02B2A; T04-G10E; T04-M; W02-J03A5; W02-J07

31/9/5 (Item 5 from file: 350)
DIALOG(R)File 350:Derwent WPIX

016334538 **Image available**
WPI Acc No: 2004-492435/200447
XRPX Acc No: N04-388632
Secure data communication system for network printing system, allows receiving terminals to decode received enciphered data after completion of authentication using authentication key **stored in memory of receiving terminals**
Patent Assignee: HAGIWARA T (HAGI-I); JUJO DENSHI KK (JUJO-N); MINOLTA QMS KK (MIOC)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 2004178215	A	20040624	JP 2002342842	A	20021126	200447	B

Priority Applications (No Type Date): JP 2002342842 A 20021126
Patent Details:
Patent No Kind Lan Pg Main IPC Filing Notes
JP 2004178215 A 22 G06F-015/00

Abstract (Basic): JP 2004178215 A
NOVELTY - An user authentication **server** (4) authenticates the receiving terminals (2,6) using the authentication **key** stored in a memory (8) of the receiving terminals. The receiving terminals are allowed to decode the enciphered data received from a transmitting terminal (1) after completion of authentication.
USE - For secure data communication in network printing system.
ADVANTAGE - Enables reliable and secure data communication, simply and smoothly.
DESCRIPTION OF DRAWING(S) - The figure shows a block diagram of a secure data communication and printing system. (Drawing includes non-English language text).
transmitting terminal (1)
receiving terminals (2,6)
authentication **server** (4)
memory (8)
pp; 22 DwgNo 1/13
Title Terms: SECURE; DATA; COMMUNICATE; SYSTEM; NETWORK; PRINT; SYSTEM; ALLOW; RECEIVE; TERMINAL; DECODE; RECEIVE; ENCIPHER; DATA; AFTER; COMPLETE; AUTHENTICITY; AUTHENTICITY; **KEY** ; STORAGE; MEMORY; RECEIVE; TERMINAL
Derwent Class: T01; T04; W01
International Patent Class (Main): G06F-015/00
International Patent Class (Additional): G06K-017/00; G06K-019/10; H04L-009/08; H04L-009/32
File Segment: EPI
Manual Codes (EPI/S-X): T01-C05A; T01-N02B1B; **T04-G10E** ; W01-A05A; 1W01-A05B
? t31/9/7,9,12-18

31/9/7 (Item 7 from file: 350)
DIALOG(R)File 350:Derwent WPIX

016232229 **Image available**
WPI Acc No: 2004-390118/200436
XRPX Acc No: N04-310542
Authentication method for data processing system in electrophotographic printing or copying system, by transmitting key **for authorizing service and maintenance computer via data processing unit of printer**
Patent Assignee: OCE PRINTING SYSTEMS GMBH (CHEZ)
Inventor: KATHAN B
Number of Countries: 029 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200439032	A2	20040506	WO 2003EP11906	A	20031027	200436	B
DE 1020250195	A1	20040513	DE 12002050195	A	20021028	200436	

Priority Applications (No Type Date): DE 12002050195 A 20021028
Patent Details:
Patent No Kind Lan Pg Main IPC Filing Notes
WO 200439032 A2 G 29 H04L-029/06
Designated States (National): CN JP US
Designated States (Regional): AT BE BG CH CY CZ DE DK EE ES FI FR GB GR

HU IE IT LU MC NL PT RO SE SI SK TR
DE 1020250195 A1 H04L-009/32

Abstract (Basic): WO 200439032 A2

NOVELTY - A system (10) generates and transmits a **key** (12) for authorization of a service and maintenance computer (14) via a further data processing unit of a **printer** . The system contains an **authorization server** (16) which is connected via a network connection (18) to the service and maintenance computer.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for an apparatus for generating authentication information; a method of authenticating an operating unit of an electrophotographic printing or copying system; and an apparatus for authenticating an operating unit of an electrophotographic printing or copying system.

USE - For an electrophotographic printer or copier connected to operating units and maintenance computers for operating, diagnostics and maintenance.

ADVANTAGE - Simple authentication of a data processing system, e.g. for remote maintenance.

DESCRIPTION OF DRAWING(S) - The drawing shows a block diagram of a system for producing and transmitting a **key** for authenticating a service and maintenance computer.

Key (12)
Service and maintenance computer (14)
Authorization **server** . (16)
pp; 29 DwgNo 1/4

Title Terms: AUTHENTICITY; METHOD; DATA; PROCESS; SYSTEM; ELECTROPHOTOGRAPHIC; PRINT; COPY; SYSTEM; TRANSMIT; **KEY** ; AUTHORISE; SERVICE; MAINTAIN; COMPUTER; DATA; PROCESS; UNIT; PRINT
Derwent Class: T01
International Patent Class (Main): **H04L-009/32** ; H04L-029/06
File Segment: EPI
Manual Codes (EPI/S-X): T01-C05; T01-N02B1

31/9/9 (Item 9 from file: 350)
DIALOG(R)File 350:Derwent WPIX

015997624 **Image available**
WPI Acc No: 2004-155474/200415
XRPX Acc No: N04-124389
Secure printing **method in networked environment, involves** validating **security** key **associated with print job, by network** server **before generating tangible output at imaging device**
Patent Assignee: HEWLETT-PACKARD CO (HEWP); LEWIS J M (LEWI-I)
Inventor: LEWIS J M
Number of Countries: 002 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 20040010704	A1	20040115	US 2002195721	A	20020715	200415	B
DE 10315516	A1	20040205	DE 1015516	A	20030404	200415	

Priority Applications (No Type Date): US 2002195721 A 20020715
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20040010704	A1		7	H04L-009/32	
DE 10315516	A1			G06F-003/12	

Abstract (Basic): US 20040010704 A1

NOVELTY - The print job comprising a security **key** and image data for desired tangible output, are received at the imaging device. The desired tangible output is generated at the imaging device only if a network **server** validate the encoded security **key** in the request generated by the imaging device.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(1) imaging device; and

(2) printing system.

USE - For generating tangible output from an imaging device such as printer, plotter and multifunctional device connected to computer network e.g. Internet.

ADVANTAGE - Secure printing is facilitated since the imaging device can print only if the network **server** validates the security **key** . An administrator of network is able to track security breaches by using the logging information.

DESCRIPTION OF DRAWING(S) - The figure shows a flowchart explaining the secure printing procedure.

pp; 7 DwgNo 2/2

Title Terms: SECURE; PRINT; METHOD; ENVIRONMENT; VALID; SECURE; **KEY** ; ASSOCIATE; PRINT; JOB; NETWORK; SERVE; GENERATE; TANGIBILITY; OUTPUT; IMAGE; DEVICE

Derwent Class: T01; T04

International Patent Class (Main): G06F-003/12; **H04L-009/32**

File Segment: EPI

Manual Codes (EPI/S-X): T01-C05A1; T01-N02A3C; T01-N02B1B; T04-G10E

31/9/12 (Item 12 from file: 350)

015455777 **Image available**

WPI Acc No: 2003-517919/200349

XRPX Acc No: N03-410788

Shared printing system using e-mail system, judges predetermined authentication conditions in e-mail with printjob and obtains user-instruction with the authentication **conditions before** printing

Patent Assignee: FUJI XEROX CO LTD (XERF)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 2003173253	A	20030620	JP 2001373241	A	20011206	200349	B

Priority Applications (No Type Date): JP 2001373241 A 20011206

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2003173253	A		9	G06F-003/12	

Abstract (Basic): JP 2003173253 A

NOVELTY - A mail **server** (12) judges predetermined authentication conditions in an e-mail with printjob and provides the judgment result to a reservation management **server** (13). The management **server** attaches the **password** related to the **authentication** conditions, to the printjob. A **printer** (14) prints out the printjob on receiving user-instruction with the **password** at a printer **server** (11).

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(1) printer;

(2) print processing method; and

(3) print processing program.

USE - For printing data using shared printer (claimed), composite machine that are connected to network, based on an e-mail processing program.

ADVANTAGE - Ensures secured **printing** by judging **authentication** conditions in printjob and user **authentication** before **printing** .

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of the shared printing system. (Drawing includes non- English language text).

printer **server** (11)

mail **server** (12)

reservation management **server** (13)

printer (14)

pp; 9 DwgNo 1/5

Title Terms: SHARE; PRINT; SYSTEM; MAIL; SYSTEM; JUDGEMENT; PREDETERMINED; AUTHENTICITY; CONDITION; MAIL; OBTAIN; USER; INSTRUCTION; AUTHENTICITY; CONDITION; PRINT

Derwent Class: P75; T01; T04

International Patent Class (Main): G06F-003/12

International Patent Class (Additional): B41J-029/00; **B41J-029/38** ; G06F-013/00

File Segment: EPI; EngPI

Manual Codes (EPI/S-X): T01-C05A1; T01-N01C; T01-S03; T04-G10E

31/9/13 (Item 13 from file: 350)

DIALOG(R)File 350:Derwent WPIX

015047388 **Image available**

WPI Acc No: 2003-107904/200310

XRPX Acc No: N03-086426

Free sample service providing system in charged information provider system, judges registration **of received** printer ID **with database at** server **, to transmit content to host client**

Patent Assignee: CANON KK (CANO)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 2002351626	A	20021206	JP 2001157111	A	20010525	200310	B

Priority Applications (No Type Date): JP 2001157111 A 20010525

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2002351626	A		12	G06F-003/12	

Abstract (Basic): JP 2002351626 A

NOVELTY - The storage of printer model **ID** received from a client (103) with a database (102) at the **server** (101), is judged. When the received **ID** is found to be already stored in the database, the information is transmitted to the client. When the received printer model **ID** is not stored in the database, the content is transmitted after registering the **ID** data with the database at the **server** .

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

(1) Computer-readable medium storing free sample service providing method;

(2) Network **server** ;

(3) Client;

(4) Free sample service providing method; and

(5) Program for providing free sample service.

USE - Free sample service providing system in charged information content providing system at internet.

ADVANTAGE - Enables to send free sample to clients, to increase the efficiency of service without checking the term of validity and without reducing efficiency of the user.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of the free sample service providing system. (Drawing includes non-English language text).

Server (101)

Database (102)

client (103)

pp; 12 DwgNo 1/5

Title Terms: FREE; SAMPLE; SERVICE; SYSTEM; CHARGE; INFORMATION; SYSTEM; JUDGEMENT; REGISTER; RECEIVE; PRINT; **ID** ; DATABASE; SERVE; TRANSMIT; CONTENT; HOST; CLIENT

Derwent Class: P75; T01; T04; W02

International Patent Class (Main): G06F-003/12

International Patent Class (Additional): **B41J-029/38** ; G06F-017/60; H04N-007/173

File Segment: EPI; EngPI

Manual Codes (EPI/S-X): T01-C05A; T01-J05B4P; T01-N01A2C; T01-S03; T04-G06; W02-F10

31/9/14 (Item 14 from file: 350)

DIALOG(R)File 350:Derwent WPIX

014989529 **Image available**

WPI Acc No: 2003-050044/200305

XRPX Acc No: N03-039415

Printing system using Internet, includes printer which retains public- key **certificate corresponding to secret** key **based on which** printer authentication **is performed, depending on request from document** server

Patent Assignee: CANON KK (CANO)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 2002259108	A	20020913	JP 200159015	A	20010302	200305	B

Priority Applications (No Type Date): JP 200159015 A 20010302

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2002259108	A		19	G06F-003/12	

Abstract (Basic): JP 2002259108 A

NOVELTY - A document **server** (116) is connected to a printer and an user client through Internet. The printer retains a public- **key** certificate correspondingly to a secret **key** . The **printer authentication** is performed based on the public- **key** certificate depending on the requisition from the document **server** .

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

(1) Printing device;

(2) Printing method;

(3) Recorded medium storing printing program; and

(4) Printing program.

USE - Printing system using Internet.

ADVANTAGE - Since **printer authentication** is performed based on

public- **key** certificate, impersonation of printer is prevented.
DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of printing system. (Drawing includes non-English language text).
Document **server** (116)
pp; 19 DwgNo 1/23
Title Terms: PRINT; SYSTEM; PRINT; RETAIN; PUBLIC; **KEY** ; CERTIFY; CORRESPOND; SECRET; **KEY** ; BASED; PRINT; AUTHENTICITY; PERFORMANCE; DEPEND; REQUEST; DOCUMENT; SERVE
Derwent Class: P75; T01; T04; W01
International Patent Class (Main): G06F-003/12
International Patent Class (Additional): B41J-029/00; **B41J-029/38** ; G06F-015/00; **H04L-009/32**
File Segment: EPI; EngPI
Manual Codes (EPI/S-X): T01-C05A1; T01-D01; T01-S03; **T04-G10E** ; **W01-A05B**

31/9/15 (Item 15 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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014732476 **Image available**
WPI Acc No: 2002-553180/200259
XRPX Acc No: N02-438228
Network printer **uses physical** authentication ID **information of user stored in** server **to verify utilization authority**
Patent Assignee: RICOH KK (RICO)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 2002171252	A	20020614	JP 2000369359	A	20001205	200259	B

Priority Applications (No Type Date): JP 2000369359 A 20001205
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2002171252	A		4	H04L-009/32	

Abstract (Basic): JP 2002171252 A
NOVELTY - The **password server** (3) has a table in which combination of user **ID** including user name and **password** , and information about physical authentication **IDs** such as magnetic card are stored. User authenticity is verified using physical authentication **ID** information, for using the network printer (2).
USE - Network printer.
ADVANTAGE - Enables handling confidential document without requiring special input device.
DESCRIPTION OF DRAWING(S) - The figure demonstrates the network environment.
Network printer (2)
Password server (3)
pp; 4 DwgNo 1/2
Title Terms: NETWORK; PRINT; PHYSICAL; AUTHENTICITY; **ID** ; INFORMATION; USER; STORAGE; SERVE; VERIFICATION; UTILISE; AUTHORISE
Derwent Class: P75; T01; W01
International Patent Class (Main): **H04L-009/32**
International Patent Class (Additional): B41J-029/00; **B41J-029/38** ; G06F-001/00; G06F-003/12; G06F-015/00
File Segment: EPI; EngPI
Manual Codes (EPI/S-X): T01-C05A1; T01-N02B1B; W01-A05B

31/9/16 (Item 16 from file: 350)
DIALOG(R)File 350:Derwent WPIX

014604389 **Image available**
WPI Acc No: 2002-425093/200245
XRPX Acc No: N02-334233

Printing fee collection method for network printing system, involves deducting specific commission from basic charge and transferring remaining amount to print service provider account

Patent Assignee: RICOH KK (RICO)
Inventor: AOKI S

Number of Countries: 003 Number of Patents: 003
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 20020035546	A1	20020321	US 2001953297	A	20010917	200245	B
JP 2002091857	A	20020329	JP 2000282121	A	20000918	200245	
KR 2002022035	A	20020323	KR 200157485	A	20010918	200264	

Priority Applications (No Type Date): JP 2000282121 A 20000918
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20020035546	A1		18	G06F-017/60	
JP 2002091857	A		6	G06F-013/00	
KR 2002022035	A			G06F-003/12	

Abstract (Basic): US 20020035546 A1

NOVELTY - A user of a cellular phone (10) transmits user **ID** and **password** using which download of contents selected by the user for **printing** is **authenticated** by a content **server** (30). A financial institution **server** (80) collects basic charge from the user based on an established contract, deducts specific commission from the charge and transfers the remaining amount to the account of a print service provider connected to a multifunction printer (20).

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(a) Printing system;

(b) Contents **server** ;

(c) Computer readable medium storing fee collection program

USE - In network printing system (claimed) used in stores, office for downloading and printing data for business negotiations, customer service using multifunction peripheral networked with cellular phone through internet.

ADVANTAGE - The printing charge can be collected efficiently both by the contents provider and print service provider.

DESCRIPTION OF DRAWING(S) - The figure shows a schematic model of the network print system.

Cellular phone (10)

Multifunctional printer (20)

Content **server** (30)

Financial institution **server** (80)

pp; 18 DwgNo 1/6

Title Terms: PRINT; FEE; COLLECT; METHOD; NETWORK; PRINT; SYSTEM; SPECIFIC; COMMISSION; BASIC; CHARGE; TRANSFER; REMAINING; AMOUNT; PRINT; SERVICE; ACCOUNT
Derwent Class: T01; W01
International Patent Class (Main): G06F-003/12; G06F-013/00; G06F-017/60
International Patent Class (Additional): **B41J-029/38** ; H04M-011/00; H04Q-007/38
File Segment: EPI

Manual Codes (EPI/S-X): T01-C05A; T01-N02A2; T01-S03; W01-C01D3C; W01-C01G6E; W01-C01Q3A

31/9/17 (Item 17 from file: 350)

014557681 **Image available**
WPI Acc No: 2002-378384/200241
Related WPI Acc No: 2002-325714; 2002-378385
XRPX Acc No: N02-296071

Printing system using Internet, judges whether printer identifier **included in input printer specification information corresponds to personal printer** identifier **, depending on which printing is performed**

Patent Assignee: SEIKO EPSON CORP (SHIH)
Inventor: GASSHO K
Number of Countries: 002 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2002091712	A	20020329	JP 2000275125	A	20000911	200241 B
US 20020064280	A1	20020530	US 2001938516	A	20010827	200242

Priority Applications (No Type Date): JP 2000275125 A 20000911; JP 2000275079 A 20000911; JP 2000275509 A 20000911
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2002091712	A		25	G06F-003/12	
US 20020064280	A1			H04L-009/36	

Abstract (Basic): JP 2002091712 A

NOVELTY - A content **server** (44) judges whether printer **identifier** included in the input printer specification information (PI), corresponds to personal printer **identifier** . A transmitting unit transmits **printing approval** from the **server** to a **printer** (36), based on judged result, depending on which printing is performed according to input printing job data.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for data reproducing system.

USE - Printing system using Internet.

ADVANTAGE - Irregular copy printing of content data is prevented by performing **printing approval** .

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of printing system. (Drawing includes non-English language text).

Printer (36)

Content **server** (44)

pp; 25 DwgNo 4/16

Title Terms: PRINT; SYSTEM; JUDGEMENT; PRINT; IDENTIFY; INPUT; PRINT; SPECIFICATION; INFORMATION; CORRESPOND; PERSON; PRINT; IDENTIFY; DEPEND; PRINT; PERFORMANCE
Derwent Class: P75; T01; T04
International Patent Class (Main): G06F-003/12; **H04L-009/36**
International Patent Class (Additional): B41J-005/30; B41J-029/00; **B41J-029/38** ; G06F-013/00; G06F-017/60; G06T-001/00; **H04L-009/10** ; H04N-001/387; H04N-001/40
File Segment: EPI; EngPI
Manual Codes (EPI/S-X): T01-C05A; T01-C05A1; T01-N01D; T04-G10

31/9/18 (Item 18 from file: 350)

DIALOG(R)File 350:Derwent WPIX
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014403942 **Image available**
WPI Acc No: 2002-224645/200228
XRPX Acc No: N02-172110
Digital certificate configuration for printer, involves comparing **decrypted and non-encrypted messages transmitted from network and IP addresses**
Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)
Inventor: DEBRY R K
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 6314521	B1	20011106	US 97979505	A	19971126	200228	B

Priority Applications (No Type Date): US 97979505 A 19971126
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6314521	B1		11	H04L-009/32	

Abstract (Basic): US 6314521 B1
NOVELTY - A message containing unique **identifier** , IP address of a network device and request for digital certificate in encrypted form and non-encrypted form, is sent to a **server** . The **server** compares message decrypted by secret **key** being determined by non-encrypted **identifier** with non-encrypted message, and IP address, from which the message is received and IP address in the message, for transmitting digital certificate.
DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:
(a) Computer system;
(b) Computer program for digital certificate configuration for network device
USE - For secure configuration of digital certificate for network devices such as printer, facsimile, modem, personal digital assistant (PDA) cellular telephone in Internet environment, etc.
ADVANTAGE - By using the newly-configured digital certificate, the **printer** is **authenticated** simply without need for carrying out complicated processing.
DESCRIPTION OF DRAWING(S) - The figure shows the flow chart for creating a digital certificate for a printer.
pp; 11 DwgNo 3/3
Title Terms: DIGITAL; CERTIFY; CONFIGURATION; PRINT; COMPARE; NON; ENCRYPTION; MESSAGE; TRANSMIT; NETWORK; IP; ADDRESS
Derwent Class: T01; T04; W01
International Patent Class (Main): **H04L-009/32**
File Segment: EPI
Manual Codes (EPI/S-X): T01-C05A1; T01-D01; T01-E04; T01-J05B4A; T01-J12C; T01-N02A2B; T01-N02A3C; T01-S03; T04-G10; W01-A05B; W01-A06F2A; W01-C01D3C
? t31/9/19-24,26-28

31/9/19 (Item 19 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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014305804 **Image available**
WPI Acc No: 2002-126507/200217
XRPX Acc No: N02-094954

Network printing system for information processor e.g. PC, transmits printing disapproval message using transmission origin address when user ID of client is not registered

Patent Assignee: RICOH KK (RICO)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 2001312380	A	20011109	JP 2000132816	A	20000501	200217	B

Priority Applications (No Type Date): JP 2000132816 A 20000501
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2001312380	A		8	G06F-003/12	

Abstract (Basic): JP 2001312380 A

NOVELTY - A **server** (2) transfers the transmitting origin address and printing data to a printer (3) when the user **ID** of client (1) is judged to be **registered** . The **server** transmits a **printing** disapproval message using transmission origin address when the user **ID** is not registered.

USE - For information processors e.g. PC, word processor connected with printer through network.

ADVANTAGE - Enables efficient utilization of the printer connected to a network by enabling **printing** operation only to **authenticated** users.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of the network printing system. (Drawing includes non-English language text).

Client (1)
Server (2)
Printer (3)
pp; 8 DwgNo 2/11

Title Terms: NETWORK; PRINT; SYSTEM; INFORMATION; PROCESSOR; TRANSMIT; PRINT; MESSAGE; TRANSMISSION; ORIGIN; ADDRESS; USER; **ID** ; CLIENT; REGISTER
Derwent Class: P75; T01; T04
International Patent Class (Main): G06F-003/12
International Patent Class (Additional): **B41J-029/38**
File Segment: EPI; EngPI
Manual Codes (EPI/S-X): T01-C05A1; T01-J12C; T01-N02B1; T04-G10E

31/9/20 (Item 20 from file: 350)
DIALOG(R)File 350:Derwent WPIX

014059680 **Image available**
WPI Acc No: 2001-543893/200161
XRPX Acc No: N01-404243

Printer access control system rejects printing demand which is not stored in printer management table or demand without user name not registered **in** printer **access management table**

Patent Assignee: RICOH KK (RICO)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 2001014123	A	20010119	JP 99183407	A	19990629	200161	B

Priority Applications (No Type Date): JP 99183407 A 19990629
Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes
JP 2001014123 A 8 G06F-003/12

Abstract (Basic): JP 2001014123 A

NOVELTY - The printer group management manages the **printer** management table which **registers** user information for every group of printers (1,2) coupled to network. Access limitation unit rejects printing demand from printing client apparatus, that is not included in printer management table or if the printing demand does not contain user name, which is not **registered** in **printer** access management table.

USE - For access control of printer connected to network.

ADVANTAGE - Since access limitation of printers on network is performed on **server** , setting operation of access conditions can be performed efficiently. Raises operation efficiency, as user information is registered in groups. As access limitation is managed with user name and **password** , security and operativity are improved, thus applicability of access limitation is expanded.

DESCRIPTION OF DRAWING(S) - The figure shows the component of printer access control system.

Printers (1,2)

pp; 8 DwgNo 1/9

Title Terms: PRINT; ACCESS; CONTROL; SYSTEM; REJECT; PRINT; DEMAND; STORAGE ; PRINT; MANAGEMENT; TABLE; DEMAND; USER; NAME; REGISTER; PRINT; ACCESS; MANAGEMENT; TABLE
Derwent Class: P75; T01; T04
International Patent Class (Main): G06F-003/12
International Patent Class (Additional): **B41J-029/38** ; G06F-013/00
File Segment: EPI; EngPI
Manual Codes (EPI/S-X): T01-C05A; T01-H05A; T04-G10E

31/9/21 (Item 21 from file: 350)
DIALOG(R)File 350:Derwent WPIX

013596184 **Image available**
WPI Acc No: 2001-080391/200109
Related WPI Acc No: 2001-032072; 2001-032073; 2001-041078; 2001-049870; 2001-049889; 2001-061375; 2001-061376; 2001-061377; 2001-061378; 2001-061379; 2001-061380; 2001-061383; 2001-061384; 2001-061385; 2001-061386; 2001-070855; 2001-070886; 2001-070887; 2001-070889; 2001-080332; 2001-080380; 2001-091017; 2001-091018; 2001-091019; 2001-091020; 2001-102299; 2001-102300; 2001-102301; 2001-102302; 2001-146741; 2001-146742; 2001-146761; 2001-202518; 2001-244051; 2001-244052; 2001-244069; 2001-244070; 2001-257289; 2001-257290; 2001-257291; 2001-257292; 2001-257293; 2001-257336; 2001-257337; 2001-257338; 2001-257339; 2001-257341; 2001-257342; 2001-257343; 2001-257344; 2001-257345; 2001-265579; 2001-290116; 2001-328123; 2001-328124; 2001-335483; 2001-335752; 2001-354478; 2001-354825; 2001-355202; 2001-367045; 2001-374344; 2001-380760; 2001-381052; 2001-389385; 2001-389410; 2001-389418; 2001-397607; 2001-417832; 2001-425321; 2001-425322; 2001-425329; 2001-425338; 2001-425352; 2001-432690; 2001-464464; 2001-464465; 2001-464466; 2001-464473; 2001-464474; 2001-521241; 2001-521256; 2001-522897; 2001-541233; 2001-564790; 2001-564791; 2001-564792; 2001-564793; 2001-580761; 2001-580897; 2001-616166; 2001-625734; 2001-625756; 2002-074883; 2002-074884; 2002-074885; 2002-074886; 2002-074887; 2002-074888; 2002-147314; 2002-147316; 2002-226131; 2002-315396; 2002-351585; 2002-382643; 2002-382644; 2002-425623; 2002-636105; 2002-665882; 2003-531707; 2003-597030; 2003-844503; 2004-096199; 2004-096457;

2004-338582; 2004-338583; 2004-340152; 2004-373010; 2004-374395; 2004-376466; 2004-386954; 2004-390759; 2004-623797; 2004-624309; 2004-649306; 2004-652722; 2004-674978; 2004-697395; 2004-698508; 2004-698512; 2004-707312; 2004-727587; 2004-727588; 2004-727593; 2004-727594; 2004-727595; 2004-727597; 2004-727598; 2004-727600; 2004-736133; 2004-736179; 2004-736191; 2004-736196; 2004-736197; 2004-745997; 2004-745999; 2004-746000; 2004-746374; 2004-746424; 2004-746433; 2004-746436

XRPX Acc No: N01-061265

Network printer registration **protocol** authenticates printer **by comparing secret** identifiers **of printer and** server **, which are transmitted between printer and** server **over network**

Patent Assignee: SILVERBROOK K (SILV-I); SILVERBROOK RES PTY LTD (SILV-N)

Inventor: LAPSTUN P; SILVERBROOK K

Number of Countries: 094 Number of Patents: 008

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200072499	A1	20001130	WO 2000AU540	A	20000524	200109	B
AU 200047279	A	20001212	AU 200047279	A	20000524	200115	
BR 200010860	A	20020702	BR 200010860	A	20000524	200252	
			WO 2000AU540	A	20000524		
EP 1222768	A1	20020717	EP 2000929056	A	20000524	200254	
			WO 2000AU540	A	20000524		
CN 1359573	A	20020717	CN 2000809804	A	20000524	200268	
JP 2003500713	W	20030107	JP 2000619850	A	20000524	200314	
			WO 2000AU540	A	20000524		
AU 761466	B	20030605	AU 200047279	A	20000524	200341	
MX 2001012133	A1	20030701	WO 2000AU540	A	20000524	200420	
			MX 200112133	A	20011126		

Priority Applications (No Type Date): AU 991313 A 19990630; AU 99559 A 19990525

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200072499	A1	E	92	H04L-009/00	
Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW					
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TZ UG ZW					
AU 200047279	A				Based on patent WO 200072499
BR 200010860	A			H04L-009/00	Based on patent WO 200072499
EP 1222768	A1	E		H04L-009/00	Based on patent WO 200072499
Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI					
CN 1359573	A			H04L-009/00	
JP 2003500713	W		150	G06F-003/12	Based on patent WO 200072499
AU 761466	B			H04L-009/00	Previous Publ. patent AU 200047279
					Based on patent WO 200072499
MX 2001012133	A1			H04L-012/24	Based on patent WO 200072499

Abstract (Basic): WO 200072499 A1

NOVELTY - A secret unique **identifier** is stored in the **printer** and in database of **registration server** before the **printer** is connected to the network. When printer is connected to the network, the **printer** is **authenticated** by comparing the secret unique **identifiers** of printer and **server** , which are transmitted between printer and **server** over the network.

DETAILED DESCRIPTION - The secret unique **identifier** is stored in

printer and **server** with public unique **identifier** . The secret unique **identifier** along with public unique **identifier** and public **key** of **printer** are transmitted to the **registration server** to **authenticate printer** connected to the network. An INDEPENDENT CLAIM is also included for network registration signal.

USE - For **registering** a **printer** such as high speed color printer on network.

ADVANTAGE - Periodicals from subscriber or authorized sources is only delivered unlike the fax or e-mail circuit. As signature recorded on netpage are automatically verified, e-commerce transactions are authorized reliably.

DESCRIPTION OF DRAWING(S) - The figure shows the schematic view of **printer registration** protocol.

pp; 92 DwgNo 50/55

Title Terms: NETWORK; PRINT; REGISTER; PROTOCOL; PRINT; COMPARE; SECRET; IDENTIFY; PRINT; SERVE; TRANSMIT; PRINT; SERVE; NETWORK

Derwent Class: P75; T01; T04; W01

International Patent Class (Main): G06F-003/12; **H04L-009/00** ; H04L-012/24

International Patent Class (Additional): **B41J-029/38** ; **H04L-009/32**

File Segment: EPI; EngPI

Manual Codes (EPI/S-X): T01-C05A1; T01-D01; T01-H07P; **T04-G10E** ; **W01-A05B** ; W01-A06B5A; W01-A06E1; W01-A06F

31/9/22 (Item 22 from file: 350)

DIALOG(R)File 350:Derwent WPIX

013565682 **Image available**

WPI Acc No: 2001-049889/200106

Related WPI Acc No: 2001-032072; 2001-032073; 2001-041078; 2001-049870; 2001-061375; 2001-061376; 2001-061377; 2001-061378; 2001-061379; 2001-061380; 2001-061383; 2001-061384; 2001-061385; 2001-061386; 2001-070855; 2001-070886; 2001-070887; 2001-070889; 2001-080332; 2001-080380; 2001-080391; 2001-091017; 2001-091018; 2001-091019; 2001-091020; 2001-102299; 2001-102300; 2001-102301; 2001-102302; 2001-146741; 2001-146742; 2001-146761; 2001-202518; 2001-244051; 2001-244052; 2001-244069; 2001-244070; 2001-257289; 2001-257290; 2001-257291; 2001-257292; 2001-257293; 2001-257336; 2001-257337; 2001-257338; 2001-257339; 2001-257341; 2001-257342; 2001-257343; 2001-257344; 2001-257345; 2001-265579; 2001-290116; 2001-328123; 2001-328124; 2001-335483; 2001-335752; 2001-354478; 2001-354825; 2001-355202; 2001-367045; 2001-374344; 2001-380760; 2001-381052; 2001-389385; 2001-389410; 2001-389418; 2001-397607; 2001-417832; 2001-425321; 2001-425322; 2001-425329; 2001-425338; 2001-425352; 2001-432690; 2001-464464; 2001-464465; 2001-464466; 2001-464473; 2001-464474; 2001-521241; 2001-521256; 2001-522897; 2001-541233; 2001-564790; 2001-564791; 2001-564792; 2001-564793; 2001-580761; 2001-580897; 2001-616166; 2001-625734; 2001-625756; 2002-074883; 2002-074884; 2002-074885; 2002-074886; 2002-074887; 2002-074888; 2002-147314; 2002-147316; 2002-226131; 2002-315396; 2002-351585; 2002-382643; 2002-382644; 2002-425623; 2002-636105; 2002-665882; 2003-531707; 2003-597030; 2003-844503; 2004-096199; 2004-096457; 2004-338582; 2004-338583; 2004-340152; 2004-373010; 2004-374395; 2004-376466; 2004-386954; 2004-390759; 2004-623797; 2004-624309; 2004-649306; 2004-652722; 2004-674978; 2004-697395; 2004-698508; 2004-698512; 2004-707312; 2004-727587; 2004-727588; 2004-727593; 2004-727594; 2004-727595; 2004-727597; 2004-727598; 2004-727600; 2004-736133; 2004-736179; 2004-736191; 2004-736196; 2004-736197; 2004-745997; 2004-745999; 2004-746000; 2004-746374; 2004-746424;

2004-746433; 2004-746436
XRPX Acc No: N01-038240

Interactive device registration protocol allows storing secret key **and public unique** identifier **in device and registration** server **database, which are used for authenticating device on installation**

Patent Assignee: SILVERBROOK RES PTY LTD (SILV-N); SILVERBROOK K (SILV-I)
Inventor: LAPSTUN P; SILVERBROOK K
Number of Countries: 093 Number of Patents: 011
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200072503	A1	20001130	WO 2000AU543	A	20000524	200106	B
AU 200047282	A	20001212	AU 200047282	A	20000524	200115	
BR 200010839	A	20020604	BR 200010839	A	20000524	200246	
			WO 2000AU543	A	20000524		
KR 2002012232	A	20020215	KR 2001714915	A	20011122	200257	
KR 2002014802	A	20020225	KR 2001714878	A	20011121	200258	
KR 2002016630	A	20020304	KR 2001715016	A	20011123	200258	
CN 1358377	A	20020710	CN 2000809473	A	20000524	200278	
JP 2003500921	W	20030107	JP 2000619852	A	20000524	200314	
			WO 2000AU543	A	20000524		
KR 2003004351	A	20030114	WO 2000AU1445	A	20001127	200334	
			KR 2002710786	A	20020819		
MX 2001012123	A1	20030701	WO 2000AU543	A	20000524	200420	
			MX 200112123	A	20011126		
US 6789191	B1	20040907	US 2000575169	A	20000523	200459	

Priority Applications (No Type Date): AU 20005829 A 20000224; AU 99559 A 19990525; AU 991313 A 19990630
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200072503	A1	E	94	H04L-009/30	

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TZ UG ZW

AU 200047282	A			Based on patent WO 200072503
BR 200010839	A		H04L-009/30	Based on patent WO 200072503
KR 2002012232	A		B42C-019/02	
KR 2002014802	A		B65H-029/34	
KR 2002016630	A		H04L-009/30	
CN 1358377	A		H04L-009/30	
JP 2003500921	W	147	H04L-009/32	Based on patent WO 200072503
KR 2003004351	A		G06F-017/60	
MX 2001012123	A1		H04L-009/30	Based on patent WO 200072503
US 6789191	B1		H04L-008/00	

Abstract (Basic): WO 200072503 A1

NOVELTY - Secret **key** and public unique **identifier** are installed in non-volatile memory in an interactive device and in a registration **server** database (74) before the device is connected to a network. The **server** (11) authenticates the device on installation, by verifying the device's encrypted challenge message using the secret **key** . The device is registered in the **server** 's database, when the authentication succeeds.

DETAILED DESCRIPTION - The authentication step involves transmitting a registration request with the unique public **identifier** from the device to the **server** . In response, the **server** generates a challenge message which is transmitted to the device. The device

encrypts the challenge using the secret **key** and the encrypted challenge is transmitted to the **server** where the encrypted challenge is decrypted using the secret **key** . The **server** authenticates the device by comparing the decrypted challenge with the challenge.

USE - For **registering** an interactive device like **printers** , with **registration server** in network.

ADVANTAGE - Allows large number of distributed users to interact with networked information via printed matter and optical sensors, thereby obtaining interactive printed matter on demand via high speed networked color printer.

DESCRIPTION OF DRAWING(S) - The figure shows the schematic view of interactive device registration protocol.

Server (11)

Database (74)

pp; 94 DwgNo 54/55

Title Terms: INTERACT; DEVICE; REGISTER; PROTOCOL; ALLOW; STORAGE; SECRET; **KEY** ; PUBLIC; UNIQUE; IDENTIFY; DEVICE; REGISTER; SERVE; DATABASE; AUTHENTICITY; DEVICE; INSTALLATION

Derwent Class: P76; P85; Q36; T01; T04; W01

International Patent Class (Main): B42C-019/02; B65H-029/34; G06F-017/60; H04L-008/00; **H04L-009/30** ; **H04L-009/32**

International Patent Class (Additional): G09G-001/00; **H04L-009/08** ; H04N-007/173; H04Q-007/38

File Segment: EPI; EngPI

Manual Codes (EPI/S-X): T01-D01; T01-H07C5S; T01-J05B4P; T04-G10C; W01-A05A ; W01-A06F

31/9/23 (Item 23 from file: 350)

DIALOG(R)File 350:Derwent WPIX

013388158

WPI Acc No: 2000-560096/200052

XRPX Acc No: N00-414615

Security method of confidential documents printing using shared printer **in network by transferring of data from storage device to** printer **after checking and** verification **of unlocking code**

Patent Assignee: RUFFIEUX M (RUFF-I)

Inventor: RUFFIEUX M

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
FR 2789537	A1	20000811	FR 991516	A	19990209	200052	B

Priority Applications (No Type Date): FR 991516 A 19990209

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
FR 2789537	A1		11	H04L-009/32	

Abstract (Basic): FR 2789537 A1

NOVELTY - Computer data transported on a network are inspected and sent to a stage of a print **server** . A verification stage to verify if such data comes with a **security code** to direct the computer data toward a storage device. The transfer of the data from the storage device to the **printer** is possible after checking and **verification** of an unlocking code.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for:

(a) a device for performing storage process

(b) a device for performing unlocking process of storage device

USE - As a process of protecting of printing of confidential documents using a shared printer in networks.

ADVANTAGE - Completely independent of the application software, reliable and economic without altering functionality and the performance of the local network.

pp; 11 DwgNo 0/0

Title Terms: SECURE; METHOD; CONFIDE; DOCUMENT; PRINT; SHARE; PRINT; NETWORK; TRANSFER; DATA; STORAGE; DEVICE; PRINT; AFTER; CHECK; VERIFICATION; UNLOCK; CODE

Derwent Class: T01; T04; W01

International Patent Class (Main): **H04L-009/32**

International Patent Class (Additional): G06F-003/12

File Segment: EPI

Manual Codes (EPI/S-X): T01-C05A1; **T04-G10E ; W01-A05B**

31/9/24 (Item 24 from file: 350)

DIALOG(R)File 350:Derwent WPIX

013136833 **Image available**

WPI Acc No: 2000-308705/200027

XRPX Acc No: N00-231223

Network print server **system inputs operation demand based on which** approval **or disapproval of** printing **operation is performed**

Patent Assignee: CANON KK (CANO)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 2000089924	A	20000331	JP 98261835	A	1998091	200027	B

Priority Applications (No Type Date): JP 98261835 A 19980916

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2000089924	A		13	G06F-003/12	

Abstract (Basic): JP 2000089924 A

NOVELTY - Several computers (102,104), **server** (101) and printer (105) are connected to a network (105). The printing job information is referred in **server** (101), when operation demand is forwarded by computer. The name and **password** of user, which is input as operation demand by computer, is referred based on which **approval** disapproval of **printing** operation is determined.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for virtual print **server** control procedure.

USE - For network print **server** .

ADVANTAGE - Since **approval** of **printing** operation is performed based on the name and **password** of user, only the owner of the terminal can operate the printer, hence unauthorized use of printer under network environment is prevented.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of network print **server** system.

Server (101)

Computers (102-104)

Network printer (105)

pp; 13 DwgNo 1/16

Title Terms: NETWORK; PRINT; SERVE; SYSTEM; INPUT; OPERATE; DEMAND; BASED; APPROVE; PRINT; OPERATE; PERFORMANCE

Derwent Class: P75; T01

International Patent Class (Main): G06F-003/12

International Patent Class (Additional): **B41J-029/38**
File Segment: EPI; EngPI
Manual Codes (EPI/S-X): T01-C05A1; T01-F05G5; T01-H07C5S

31/9/26 (Item 26 from file: 347)
DIALOG(R)File 347:JAPIO

07664744 **Image available**
PRINTER, PRINT CONTROL METHOD AND PRINT SYSTEM

PUB. NO.: 2003-158603 [JP 2003158603 A]
PUBLISHED: May 30, 2003 (20030530)
INVENTOR(s): HINO YASUHIRO
APPLICANT(s): CANON INC
APPL. NO.: 2001-357778 [JP 2001357778]
FILED: November 22, 2001 (20011122)
INTL CLASS: H04N-001/00; B41J-005/30; **B41J-029/38** ; G06F-003/12; G06F-012/00; G06F-012/14; H04N-001/32

ABSTRACT
PROBLEM TO BE SOLVED: To provide a print system that takes the security and the privacy of the data into account at a low cost.

SOLUTION: Users of terminals 2000, 3000 store a document being a print object to a document **server** 4000 and transmit electronic mail describing a storage destination of a document or an **identifier** or the like of the user to the print system 9000. A printer 1000 extracts the document storage destination and the **identifier** of the user from the electronic mail and stores them. The user enters the **identifier** of the user itself by using an operation panel 1012 of the printer 1000, also enters a **password** as required, and instructs the printer 1000 to make a print. When the user is **authenticated** , the **printer** downloads a designated document from the **server** and prints out the document.

31/9/27 (Item 27 from file: 347)
DIALOG(R)File 347:JAPIO

07567049 **Image available**
INDIVIDUAL AUTHENTICATION SYSTEM USING COMMUNICATION NETWORK

PUB. NO.: 2003-060890 [JP 2003060890 A]
PUBLISHED: February 28, 2003 (20030228)
INVENTOR(s): KIUCHI MASATO
FUJII RIE
APPLICANT(s): PRINTING BUREAU MINISTRY OF FINANCE
APPL. NO.: 2001-247758 [JP 2001247758]
FILED: August 17, 2001 (20010817)
INTL CLASS: H04N-001/387; G06F-012/14; G06F-015/00; G06F-017/60; **H04L-009/32** ; H04N-001/40

ABSTRACT
PROBLEM TO BE SOLVED: To provide a certificating means which is issued to everyone, hardly forged, has high reliability, stores various kinds of individual information of an owner himself and also is adapted even to a

public document.

SOLUTION: An authentication desiring side terminal and an authenticating side terminal are connected to a management **server** via a communication network in an individual authentication system. The management **server** is provided with a means for generating a printing data file which permits an **ID** pattern obtained by defining at least a part of authentication information as a graphic by **cipher** definition latent in the case of **printing** when individual **authentication** information is received from the authentication desiring side terminal, a means for storing the printing data file in a storage part and distributing it to the authentication desiring side terminal, a means for comparing the **printing** data file received from the **authenticating** side terminal with the **printing** data file of a **authentication** desiring person stored in the storage part and a means for distributing the comparison result to the authenticating side terminal.

31/9/28 (Item 28 from file: 347)

07368080 **Image available**
AUTOMATIC AUTHENTICATING METHOD FOR PRINT PROCESSING AND SYSTEM THEREOF

PUB. NO.: 2002-236577 [JP 2002236577 A]
PUBLISHED: August 23, 2002 (20020823)
INVENTOR(s): KOGA HIROSHI
APPLICANT(s): CANON INC
APPL. NO.: 2001-348648 [JP 2001348648]
FILED: November 14, 2001 (20011114)
PRIORITY: 2000-351064 [JP 2000351064], JP (Japan), November 17, 2000 (20001117)
INTL CLASS: G06F-003/12; B41J-029/00; **B41J-029/38** ; G06F-001/00; G06F-017/60

ABSTRACT

PROBLEM TO BE SOLVED: To provide an automatic authenticating method and its system for print processing which eliminate use's input operation for an identification **ID** and a **password** and enhance secrecy keeping by automatically performing authentication without any user's input, according to print information embedded in a file and information on an application program.
SOLUTION: In print processing which requires user **authentication** , a **printer** driver 202 extracts information related to an application 201 which performs the print processing and/or a document as attribute information 206 and compares the information 206 with information stored in a user registration information database 208 on a **server** to perform user authentication. When the user is **authenticated** , a **printer** 204 is made to print and the sever manages and stores charging or the like by department units in a department management information database 211.

? t31/9/33-34

31/9/33 (Item 33 from file: 347)

07078627 **Image available**
METHOD FOR CONTROLLING IMAGE OUTPUT AND DEVICE FOR OUTPUTTING PICTURE

PUB. NO.: 2001-306273 [JP 2001306273 A]
PUBLISHED: November 02, 2001 (20011102)
INVENTOR(s): NAGAYAMA HIRONOBU
TAKEDA MASARU
GENDA KOHEI
TOKI YASUYUKI
APPLICANT(s): FUJI XEROX CO LTD
APPL. NO.: 2000-125801 [JP 2000125801]
FILED: April 26, 2000 (20000426)
INTL CLASS: G06F-003/12; B41J-005/30; **H04L-009/32**

ABSTRACT

PROBLEM TO BE SOLVED: To protect the secret of data preserved in an image outputting device.

SOLUTION: A client device 20 transmits print data 100 and an **authentication** code 120 to a **printer** system 10. A print **server** 12 of the printer system 10 generates data 160 for collation from the print data 100, and enciphers the print data 100 by the authentication code 120 for generating preservation data 150, and preserves the preservation data 150 and the data 160 for collation in a storage device 14 by making those data correspond to each other. When a user selects the preservation data 150 by a UI part 18, and inputs the **authentication** code, a **printer server** 12 decodes the preservation data 150 by using the authentication code as a **key** , and judges whether or not the preservation data 150 are correctly decoded by referring to the data 160 for collation. Then, when the preservation data 150 are correctly decoded, the decoded result is printed by a print engine 16.

31/9/34 (Item 34 from file: 347)
DIALOG(R)File 347:JAPIO

07038105 **Image available**
NETWORK MANAGING SYSTEM FOR FINGER AUTHENTICATION

PUB. NO.: 2001-265739 [JP 2001265739 A]
PUBLISHED: September 28, 2001 (20010928)
INVENTOR(s): MIYAMATSU KOUSHIYU
APPLICANT(s): RICOH CO LTD
APPL. NO.: 2000-081040 [JP 200081040]
FILED: March 22, 2000 (20000322)
INTL CLASS: G06F-015/00; G06F-003/12; G06T-001/00; G06T-007/00; G09C-001/00; **H04L-009/32**

ABSTRACT

PROBLEM TO BE SOLVED: To protect the security or privacy of the user of a network terminal even when plural network terminals share specified network equipment.

SOLUTION: The document data of a user to use a printer are sent to a **server** 20 together with **ID** information, converted to fingerprint information corresponding to **ID** information, which is previously

registered in the **server** 20, and transmitted to a printer 10 together with the document data. A memory 14 in a finger **authentication** system 11 of the **printer** 10 temporarily stores the received document data and the fingerprint information. The document data are printed out and discharged to a paper tray having an individually openable/closabele opening part. An identification system 13 collates fingerprint information sampled by a fingerprint information sampling device 12 in the finger authentication system 11 with the fingerprint information stored in the memory 14, and in the case of coincidence, on the basis of identity, the document can be taken out by opening the opening part of the paper tray to which the document is discharged.

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